DR-31. PREPARATION OF MONOETHANOLAMINE AND 5-PHENYL-2,2′-BIPYRIDINE DERIVATIVES AND THEIR SUBSEQUENT TOSYLATION REACTIONS

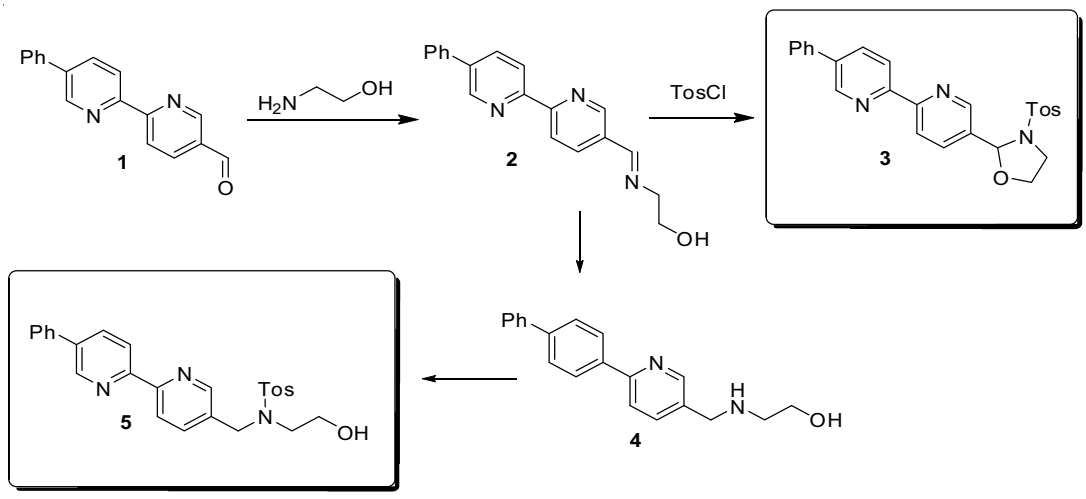
D. S. Kopchuk[1,2], I. S. Kovalev[1], S. Santra[1], G. V. Zyryanov[1,2], V. L. Rusinov[1,2], O. N. Chupakhin[1,2], V. N. Charushin[1,2]

[1] Ural Federal University of the first President of Russia B. N. Yeltsin, Mira St., 19, Yekaterinburg, 620002, Russia

[2] I. Ya. Postovsky Institute of Organic Synthesis UB RAS, S. Kovalevskoy / Akademicheskaya St., 20/22, Yekaterinburg, 620990, Russia.

E-mail: dkopchuk@mail.ru

Oxazolidine derivatives are of interest as biologically active compounds, as well as catalysts for enantioselective reactions. Separately, in this aspect, it should be noted that a fragment of N-tosyloxazolidine is presented in a number of biologically active structures. To form the oxazolidine cycle, we used a reaction of monoethanolamine-based Schiff base with tosyl chloride. To date, there are very few examples of such syntheses. In this publication, we propose an approach to N-tosyloxazolidine derivatives having a 2,2′-bipyridine fragment.



This work was supported by the Russian Science Foundation (Ref. № 18-73-00301).